'ATENT COOPERATION TR⊾ .TY

	From the INTERNATIONAL BUREAU			
PCT	То:			
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 02 October 2000 (02.10.00)	RAFENOMANJATO, Jean-Pierre I.R.G. Infomedia Research Group Inc. Suite 203 390, St-Vallier East Street Quebec, G1K 3P6 CANADA			
Applicant's or agent's file reference		1NAPODTA	AIT NOTIC	104TION
<n°>2609-3</n°>		IMPORTA	NINOII	ICATION
International application No. PCT/CA99/01168	International 07 Dec	filing date (da ember 1999	-	, i
The following indications appeared on record concerning: X the applicant X the inventor	the agent		the common	n representative
Name and Address DUSSAULT, Andre	S	tate of Nation	ality	State of Residence CA
2055, du Moulin Quebec, Quebec G2B 2B9 Canada	T	Telephone No.		
	F	acsimile No.		
	T	eleprinter No	•	
2. The International Bureau hereby notifies the applicant that the	e following cha	ange has bee	n recorded c	oncerning:
the person the name the add		the nationa	_	the residence
Name and Address	S	tate of Nation	ality	State of Residence
	T	elephone No.		
	F	acsimile No.		
	T	eleprinter No.		
3. Further observations, if necessary: Has assigned all his rights and is now no more applicant/inventor.				
4. A copy of this notification has been sent to:				
X the receiving Office		the designa	ted Offices o	oncerned
the International Searching Authority	X	the elected	Offices cond	erned
X the International Preliminary Examining Authority		other:		·
The International Bureau of WIPO	Authorized off	icer		
34, chemin des Colombettes 1211 Geneva 20, Switzerland		Sea	n Taylor	
Facsimile No.: (41-22) 740.14.35	Telephone No	.: (41-22) 338.	.83.38	

NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:

RAFENOMANJATO, Jean-Pierre I.R.G. Infomedia Research Group Inc. Suite 203 390, St-Vallier East Street Quebec, G1K 3P6 CANADA

Date of mailing (day/month/year)

15 June 2000 (15.06.00)

Applicant's or agent's file reference

<n">2609-3

IMPORTANT NOTICE

International application No. PCT/CA99/01168

International filing date (day/month/year) 07 December 1999 (07.12.99) Priority date (day/month/year)

07 December 1998 (07.12.98)

Applicant

I.R.G. INFOMEDIA RESEARCH GROUP INC. et al

Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application
to the following designated Offices on the date indicated above as the date of mailing of this Notice:
AU,CN,JP,KP,KR,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE,AL,AM,AP,AT,AZ,BA,BB,BG,BR,BY,CA,CH,CR,CU,CZ,DE,DK,DM,EA,EE,EP,ES,FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MA,MD,MG,MK,MN,MW,MX,NO,NZ,OA,PL,PT,RO,RU,SD,SE,SG,SI,SK,SL,TJ,TM,TR,TT,TZ,UA,UG,UZ,VN,YU,ZA,ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 15 June 2000 (15.06.00) under No. WO 00/35190

REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

J. Zahra

Telephone No. (41-22) 338.83.38

Facsimile No. (41-22) 740.14.35 Form PCT/IB/308 (July 1996)

Copy for the Elected Office (EO/US) ATENT COOPERATION TRATTY

•	From the INTERNATIONAL BUREAU To: RAFENOMANJATO, Jean-Pierre I.R.G. Infomedia Research Group Inc. Suite 203 390, St-Vallier East Street Quebec, G1K 3P6 CANADA			
PCT				
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 02 October 2000 (02.10.00)				
Applicant's or agent's file reference <n°>2609-3</n°>	IMPORTANT NOTIFICATION			
International application No. PCT/CA99/01168	International filing date (day/month/year) 07 December 1999 (07.12.99)			
The following indications appeared on record concerning: X the applicant X the inventor Name and Address	the agent the common representative State of Nationality State of Residence			
DUSSAULT, Andre 2055, du Moulin Quebec, Quebec G2B 2B9 Cañada	CA CA Telephone No. Facsimile No.			
	Teleprinter No.			
2. The International Bureau hereby notifies the applicant that the the person the name the add				
Name and Address	State of Nationality State of Residence CA CA			
	Telephone No.			
	Facsimile No.			
	Teleprinter No.			
3. Further observations, if necessary: Has assigned all his rights and is now no more a	applicant/inventor.			
4. A copy of this notification has been sent to: X the receiving Office the International Searching Authority X the International Preliminary Examining Authority	the designated Offices concerned X the elected Offices concerned other:			
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Sean Taylor			

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7: H04N 5/445

(11) International Publication Number: **A3**

WO 00/35190

(43) International Publication Date:

15 June 2000 (15.06.00)

(21) International Application Number:

PCT/CA99/01168

(22) International Filing Date:

7 December 1999 (07.12.99)

(30) Priority Data:

60/111,274

7 December 1998 (07.12.98) US

(71) Applicant (for all designated States except US): I.R.G. INFOMEDIA RESEARCH GROUP INC. [CA/CA]; 390 St-Vallier East, Quebec, Quebec G1K 3P6 (CA).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): DUSSAULT, Andre [CA/CA]; 2055 du Moulin, Quebec, Quebec G2B 2B9 (CA). RAFENOMANJATO, Jean-Pierre [CA/CA]; 57 Tardif, St-Etienne-de-Lauzon, Quebec G6J 1N7 (CA).
- (74) Agents: RAFENOMANJATO, Jean-Pierre et al.; I.R.G. Infomedia Research Group Inc., Suite 203, 390, St-Vallier East Street, Quebec, G1K 3P6 (CA).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR. BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

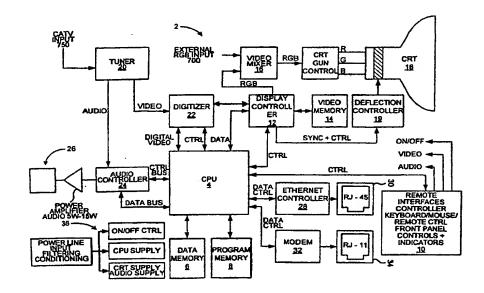
Published

With international search report.

(88) Date of publication of the international search report:

10 August 2000 (10.08.00)

(54) Title: METHOD AND APPARATUS FOR PROVIDING A COMPUTERISED TELEVISION APPARATUS



(57) Abstract

The invention relates to a computerized television apparatus. The apparatus comprises a computing device for generating a first display signal, a video path having a first input for receiving the first display signal and a second input for receiving a second display signal derived from a television signal to derive a third display signal. The apparatus further comprises a display unit with a given dimension operative for displaying a display image derived from the third display signal. The computing device is a fast boot-up computing device comprising an initial program loader unit. The fast boot-up computing device is operative to process the initial program loader unit to invoke the program elements associated to the respective data elements and to boot-up said computerized television apparatus.

FOR THE PURPOSES OF INFORMATION ONLY

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INTERNATIONAL SEARCH REPORT

International Application No. PCT/CA 99 01168

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-13

computerized television apparatus with a high resolution screen

2. Claims: 14-20

fast boot-up computing device for a a computerized television apparatus

INTERNATIONAL SEARCH REPORT

international application No. PCT/CA 99/01168

Box	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	rnational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of Item 2 of Irist sheet)
This Inte	mational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1. 🗓	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
э. 🗀	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.				
<n>2609-3</n>	ACTION	<u> </u>			
International application No. International filing date (day/month/year) (Earliest) Priority Date (day/month/year)					
PCT/CA 99/01168	07/12/1999	07/12/1998			
Applicant					
I.R.G. INFOMEDIA RESEARCH	H GROUP INC. et al.				
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Auth Insmitted to the International Bureau.	ority and is transmitted to the applicant			
This International Search Report consists It is also accompanied by	of a total of \$heets. a copy of each prior art document cited in this	·			
it is also accompanied by	a copy of each prior art document cited in this	report.			
Basis of the report					
With regard to the language, the influence language in which it was filed, unle	nternational search was carried out on the bas ess otherwise indicated under this item.	is of the international application in the			
the international search w Authority (Rule 23 1(b))	as carried out on the basis of a translation of th	e international application furnished to this			
b. With regard to any nucleotide and was carried out on the basis of the	d/or amino acid sequence disclosed in the int	ernational application, the international search			
_	nal application in written form.				
filed together with the inter	mational application in computer readable form				
furnished subsequently to	furnished subsequently to this Authority in written form.				
	this Authority in computer readble form.				
the statement that the sub international application as	sequently furnished written sequence listing do s filed has been furnished.	es not go beyond the disclosure in the			
the statement that the info furnished	rmation recorded in computer readable form is	identical to the written sequence listing has been			
2. Certain claims were foun	nd unsearchable (See Box I).				
3. X Unity of invention is lack	ing (see Box II).				
4. With regard to the title,					
The text is approved as sub	omitted by the applicant.				
	ed by this Authority to read as follows:				
5. With regard to the abstract,		İ			
the text is approved as sub	emitted by the applicant.				
the text has been establish	ed, according to Rule 38.2(b), by this Authority date of mailing of this international search repo	as it appears in Box III. The applicant may, rt, submit comments to this Authority.			
6. The figure of the drawings to be publis		6			
X as suggested by the applic	ant.	None of the figures.			
because the applicant faile	d to suggest a figure.	_			
because this figure better o	haracterizes the invention.				

International application No.

PCT/CA 99/01168

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The abstract has been shortened as follows: line 7: after "unit" insert " with a given dimension" line 9: delete from "The display until line 12 ...a variant."

Proceed with: "The computing device is a fast boot-up computing device comprising an initial program loader unit. line 15: delete until line 19 Proceed with "The fast boot-upetc.

International application No. PCT/CA 99/01168

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of Invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-13

computerized television apparatus with a high resolution screen

2. Claims: 14-20

fast boot-up computing device for a a computerized television apparatus

B. FIELDS SEARCHED Minimum documentation accumentation earched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) C.DOCUMENTS CONSIDERED TO BE RELEVANT Category* Chation of document, with indication, where appropriate, of the relevant passages X W0 97 36391 A (GATEWAY 2000 INC) 2 October 1997 (1997-10-02) A page 3, line 17 - line 25 page 5, line 21 - line 24 page 8, line 23 -page 9, line 11 page 10, line 19 - line 31 page 16, line 1 -page 17, line 11; figures 1A,1B,3,5 A EP 0 713 174 A (NINTENDO CO LTD) 22 May 1996 (1996-05-22) column 32, line 11 -column 33, line 24 Patent family members are listed in annex. ** Special categories of cited documents: **A' document defining the general state of the art which is not considered in the of perticular relevance "** Special categories of cited documents: **A' document defining the general state of the art which is not considered in the of perticular relevance **A' document defining the general state of the art which is not considered in the original date of the considered in terms of the principle or theory underlying the considered in terms of the principle or theory underlying the considered in the original transition to considered the original transition or the considered in the origina	A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04N5/445						
B. FIELDS SEARCHED Minimum documentation accumentation earched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) C.DOCUMENTS CONSIDERED TO BE RELEVANT Category* Chation of document, with indication, where appropriate, of the relevant passages X W0 97 36391 A (GATEWAY 2000 INC) 2 October 1997 (1997-10-02) A page 3, line 17 - line 25 page 5, line 21 - line 24 page 8, line 23 -page 9, line 11 page 10, line 19 - line 31 page 16, line 1 -page 17, line 11; figures 1A,1B,3,5 A EP 0 713 174 A (NINTENDO CO LTD) 22 May 1996 (1996-05-22) column 32, line 11 -column 33, line 24 Patent family members are listed in annex. ** Special categories of cited documents: **A' document defining the general state of the art which is not considered in the of perticular relevance "** Special categories of cited documents: **A' document defining the general state of the art which is not considered in the of perticular relevance **A' document defining the general state of the art which is not considered in the original date of the considered in terms of the principle or theory underlying the considered in terms of the principle or theory underlying the considered in the original transition to considered the original transition or the considered in the origina							
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) Electronic data base consulted during the international search (name of data base and, where practical, search terms used) Electronic data base consulted during the international search (name of data base and, where practical, search terms used) Electronic data base consulted during the international fling data consulted during the international fling data consulted from the search terms used) Electronic data base consulted during the international fling data consulted from the feed and consulted in the feed as and, where practical, search terms used) Electronic data base consulted during the international fling data consulted from the feed and consulted from the feed as and, where practical, search terms used) Electronic data base consulted during the search (name of data base and, where practical, search terms used) Electronic data base consulted during the search (name of data base and, where practical, search terms used) Electronic data base consulted during the search (name of data base and, where practical, search terms used) Electronic data base consulted during the search (name of data base and, where practical, search terms used) 1-8,13 1-8,13 9-11 1-8,13 9-11 1-11 1-12 1-13 1-14 1-15							
Electronic data base consulted during the International eearch (name of data base and, where practical, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with Indication, where appropriate, of the relevant passages Relevant to claim No. X			on symbols)				
Electronic data base consulted during the International eearch (name of data base and, where practical, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with Indication, where appropriate, of the relevant passages Relevant to claim No. X							
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Category* Citation of document, with indication, where appropriate, of the relevant passages X W0 97 36391 A (GATEWAY 2000 INC) 1-8,13 2 October 1997 (1997-10-02) page 3, line 17 - line 25 page 5, line 21 - line 24 page 8, line 23 -page 9, line 11 page 10, line 19 - line 31 page 16, line 1 -page 17, line 11; figures 1A,1B,3,5 A EP 0 713 174 A (NINTENDO CO LTD) 14 22 May 1996 (1996-05-22) column 32, line 11 -column 33, line 24 24 Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance 17 later document which may throw doubts on priority, claim(e) or 18 column 15 column 15 column 16 column	0.000						
X			evant passages	Relevant to claim No.			
A page 3, line 17 - line 25 page 5, line 21 - line 24 page 8, line 23 - page 9, line 11 page 10, line 19 - line 31 page 16, line 1 -page 17, line 11; figures 1A,1B,3,5 A EP 0 713 174 A (NINTENDO CO LTD) 22 May 1996 (1996-05-22) column 32, line 11 -column 33, line 24 *Special categories of cited documents: *A' document defining the general state of the art which is not considered to be of particular relevance "E' earlier document but published on or after the international filling date "L' document which may throw doubts on priority claim(e) or "L' document which may throw doubts on priority claim(e) or "L' document which may throw doubts on priority claim(e) or "L' document which may throw doubts on priority claim(e) or "L' document which may throw doubts on priority claim(e) or "L' document which may throw doubts on priority claim(e) or "L' document which may throw doubts on priority claim(e) or	Category	One more appropriate, of the rele	oran passages	Holovall to dali 140.			
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A EP 0 713 174 A (NINTENDO CO LTD) 22 May 1996 (1996–05–22) column 32, line 11 -column 33, line 24 Further documents are listed in the continuation of box C. *Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance L' document but published on or after the international filing date "L' document but published on or after the international filing date "X' document of particular relevance in the principle or theory underlying the invention "X' document of particular relevance; the claimed invention cannot be considered to be or particular relevance to the considered to be or particular relevance; the claimed invention involve an inventive step when the document is taken alone		page 16, line 1 -page 17, line 11	; figures				
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 Authorized officer	Name and n	•	Authorized officer				
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INTERNATIONAL SEARCH REPORT

normation on patent family members

international App	dication No
PCT/CA 99	/01168

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
WO 9736391	A	02-10-1997	US AU CA EP US	5867223 A 2332397 A 2250189 A 0890232 A 5838384 A	02-02-1999 17-10-1997 02-10-1997 13-01-1999 17-11-1998	
EP 0713174	A	22-05-1996	US AU AU JP	5680534 A 691334 B 3453795 A 8241427 A	21-10-1997 14-05-1998 09-05-1996 17-09-1996	



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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agen	it's file reference	1		stiff and a set Tono and the last last a set a set a set	
<n>2609-3</n>		FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/41			
International application No.		International filing date (c	lay/month/year)	Priority date (day/month/year)	
PCT/CA99/011	68	07/12/1999		07/12/1998	
H04N5/445	t Classification (IPC) or na	tional classification and IPC			
Applicant I.R.G. INFOME	DIA RESEARCH GE	ROUP INC. et al.			
This internate and is transf	tional preliminary exam mitted to the applicant a	ination report has been according to Article 36.	prepared by this	International Preliminary Examining Authority	
2. This REPOF	RT consists of a total of	7 sheets, including this	cover sheet.		
been an (see Ru	nended and are the bas	sis for this report and/or 07 of the Administrative	sheets containir	ption, claims and/or drawings which have g rectifications made before this Authority er the PCT).	
3. This report of	contains indications rela	iting to the following iten	ns:		
1 ⊠	Basis of the report				
	Priority				
	Non-establishment of o	pinion with regard to no	velty, inventive s	step and industrial applicability	
ı∨ ⊠	Lack of unity of invention	on			
V ⊠	V Beasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations suporting such statement				
vı 🗆					
VII ⊠	VII Certain defects in the international application				
VIII 🖾	Certain observations or	n the international applic	ation		
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Date of submission	of the demand		Date of completion	on of this report	
21/06/2000			26.03.2001		
Name and mailing preliminary examin	address of the international		Authorized office	JEGO NO. S. PAI DE LAND	

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Tel. +49 89 2399 - 0 Tx: 523656 epmu d

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/CA99/01168

 Basis of the re 	por	t
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1.	This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments (Rules 70.16 and 70.17).): Description, pages:							
	1-17	7	as originally filed					
	Cla	ims, No.:						
	1-20	0	as originally filed					
	Dra	wings, sheets:						
	1/6-	-6/6	as originally filed					
2.			uage, all the elements marked above were available or furnished to this Authority in the nternational application was filed, unless otherwise indicated under this item.					
	These elements were available or furnished to this Authority in the following language: , which is:							
		☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).						
		the language of pu	olication of the international application (under Rule 48.3(b)).					
		the language of a t 55.2 and/or 55.3).	ranslation furnished for the purposes of international preliminary examination (under Rule					
3.			eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:					
		contained in the int	ernational application in written form.					
	☐ filed together with the international application in computer readable form.							
	☐ furnished subsequently to this Authority in written form.							
	☐ furnished subsequently to this Authority in computer readable form.							
			the subsequently furnished written sequence listing does not go beyond the disclosure in plication as filed has been furnished.					
		The statement that listing has been fur	the information recorded in computer readable form is identical to the written sequence nished.					
4.	The	amendments have	resulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/CA99/01168

		the drawings,	sheets:				
5.		This report has been established as if (some of) the amendments had not been made, since they had considered to go beyond the disclosure as filed (Rule 70.2(c)):					
		(Any replacement she report.)	eet contair	ning such	amend	lments must be referred to under item 1 and annexed to this	
6.	Add	itional observations, if	i necessar	y:			
IV.	. Lac	k of unity of invention	on				
1.	In response to the invitation to restrict or pay additional fees the applicant has:						
		restricted the claims.					
		paid additional fees.					
		paid additional fees under protest.					
	\boxtimes	neither restricted nor paid additional fees.					
2.		This Authority found that the requirement of unity of invention is not complied and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.					
3.	This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3						
		complied with.					
		not complied with for the following reasons:					
4.	Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this report:						
	□ all parts.						
	Ø	the parts relating to claims Nos. 1-13.					
V.		soned statement unditions and explanatio			_	ard to novelty, inventive step or industrial applicability;	
1.	Stat	ement					
	Nov	elty (N)	Yes: No:	Claims Claims	1-13	·	
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-13		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/CA99/01168

Industrial applicability (IA)

Yes:

Claims 1-13

No: Claims

2. Citations and explanations see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted: see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made: see separate sheet

Concerning Box IV

The application lacks unity, for the reasons set out in Form 206 issued by the EPO acting as ISA and referred to in the invitation to restrict or pay further fees in Form 405 issued by the present IPEA.

Since the Applicant has not replied to said invitation, the IPEA has applied the procedure set out in Article 34 (3) (c) PCT and examine what appears to be the "main" alleged invention in the present application. Since the application does not indicate that either of the searched alleged inventions (dot pitch, claims 1 to 13; fast boot-up, claims 14 to 20) is more important than the other, the IPEA has examined the first alleged invention, pursuant to Rule 68.5 PCT.

Concerning Box V

The following document is cited:

D1 : WO-A-97/36391

The subject-matter of claims 1 to 13 lacks an inventive step, and therefore does not meet the requirement set out in Article 33 (3) PCT.

In detail, it is known from document D1 to provide a computerized television apparatus (see, for example, Figures 1A and 1B and associated description passages). This apparatus includes a video path (on the VGA card 318) that can receive both TV signals (see, for example, satellite dish 114 in Figure 1 or inputs 524 and 544 to 548 in Figure 5) and signals from a computer 118 (via PCI bus 312). The said path outputs a signal (e.g. via output 542) to a monitor 120.

On page 10, line 19 to page 11, line 14 of document D1 it is disclosed that the dot pitch is as follows:

0.65 - 0.80mm for a 29" (737mm) diagonal CRT

0.80 - 0.95mm for a 33" (838mm) diagonal CRT.

Reducing these values to a fraction of the diagonal size, results in the following ranges:

0.0008820 - 0.001086 x diagonal (29"/737mm CRT) 0.0009547 - 0.001137 x diagonal (33"/838mm CRT).

The range claimed is:

0.0008528 - 0.001250 x diagonal.

It will be noted that the claimed range is broader than the known ranges, so that novelty is not at issue.

Thus, the subject-matter of claims 1 to 13 meets the requirement set out in Article 33 (2) PCT.

However, given that the skilled person is taught, at page 11, lines 1 to 4, that the above specifications may vary, but are designed to provide optimal viewability, the said skilled person would find it obvious to experiment with the exact dot pitch / diagonal relationship, and optimize it for a given screen size, desired display resolution, brightness, etc. There can be no surprising effect in extending the range slightly, especially given the number of other contributing variables.

Thus, the subject-matter of claim 1 follows in an obvious manner from the disclosure of document D1.

The subject-matter of the following claims is either disclosed in or rendered obvious by the disclosure of document D1:

Claim 3 - see, for example, connectors 524 and 212;

Claim 5 - see element 322 in Figure 3;

Claims 6 and 7 - see page 10, lines 24 to 31;

Claims 8 to 10 - see Video MUX 540 in Figure 5;

Claim 11 - see PC 18;

Claim 13 - see page 10, line 31.

EXAMINATION REPORT - SEPARATE SHEET

The subject-matter of claims 2, 4 and 12 relates to routine design details, the suggestion of which the skilled person, on reading the disclosure of document D1, would have no difficulties in suggesting.

Concerning Box VII

The claims are not in the two-part form set out in Rule 6.3 (b) PCT.

Reference signs as defined in Rule 6.2 (b) PCT ae absent from the claims.

The wording "spirit of the invention" (page 10, line 12; page 11, line 9; page 13, line 5 and page 17, line 12) constitutes unnecessary subject-matter pursuant to Rule 9.1 (iv) PCT and, moreover, casts doubt on the scope of protection sought, contrary to Article 6 PCT.

The "inclusion by reference" on page 1 may be objectionable in some national and regional jurisdictions. (See IPE Guidelines, PG-II, 4.17).

Concerning Box VIII

Claim 1 lacks clarity / support in the description and thus does not meet the requirements set out in Article 6 PCT.

This objection arises because it is not at all clear what is meant by "given dimension". Is this an area, a length, and in the latter case is it related to the screen area, or is it the depth (front to back) of the display?